

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A copper foil with a blackened ~~surface or~~ layer formed on one or both surfaces thereof ~~by being subjected to black treatment~~, said blackened ~~surface or~~ layer of said copper foil having a color difference $\Delta L^* \leq -70$ and chroma $C^* \leq 15$ when measured by a color difference meter represented by black, $\Delta L^* = -100$, and white, $\Delta L^* = 0$, and said blackened ~~surface or~~ layer of said copper foil having coarsened grains of $1\mu m$ or less and surface roughness Ra of $0.5\mu m$ or less, Rt of $4.0\mu m$ or less, and Rz of $3.5\mu m$ or less.

Claim 2 (currently amended): A copper foil with [a] blackened ~~surface or~~ layer according to claim 1, wherein the ~~surface subject to black treatment~~ blackened layer has a glossiness ≤ 15 .

Claims 3-12 (canceled).

Claim 13 (currently amended): A copper foil with [a] blackened ~~surface or~~ layer according to claim 2, wherein said blackened ~~surface or~~ layer is ~~coated with~~ an electro-plated coating of at least one of Co, Ni-Cu, Co-Cu and Ni-Co-Cu.

Claim 14 (currently amended): A copper foil with [a] blackened surface or layer according to claim 13, wherein said blackened layer is an Ni-Cu electro-plated coating and an Ni mass of deposit per unit area in the Ni-Cu plating is 200 to 1000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni-Co plating, after the Ni-Cu plating, is 250 to 1500mg/m².

Claim 15 (currently amended): A copper foil with [a] blackened surface or layer according to claim 13, wherein said blackened layer is an Ni-Co-Cu electro-plated coating and Ni + Co mass of deposit per unit area in the Ni-Co-Cu plating is 130 to 1000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni-Co plating, after the Ni-Co-Cu plating, is 250 to 1500mg/m².

Claim 16 (currently amended): A copper foil with [a] blackened surface or layer according to claim 13, wherein said blackened layer is an Co-Cu electro-plated coating and a Co mass of deposit per unit area in the Co-Cu plating is 300 to 1000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni-Co plating, after the Co-Cu plating, is 350 to 1500mg/m².

Claim 17 (currently amended): A copper foil with [a] blackened surface or layer according to claim 13, wherein said blackened layer is a Co electro-plated coating and a Co mass of deposit per unit area in the Co plating is 1000 to 5000mg/m², or an Ni + Co mass of deposit

~~per unit area of a plated surface subject to Ni or Ni-Co plating, after the Co plating, is 1050 to 2000mg/m².~~

Claim 18 (currently amended): A copper foil with [a] blackened ~~surface or~~ layer according to claim 13, wherein the copper foil is an electrolytic copper foil or a rolled copper foil of a thickness of 8 to 18 μ m.

Claim 19 (currently amended): A copper foil with [a] blackened ~~surface or~~ layer according to claim 18, further comprising a rust prevention layer on said blackened ~~surface or~~ layer.

Claim 20 (currently amended): A copper foil with [a] blackened ~~surface or~~ layer according to claim 19, wherein said rust prevention layer is of at least one of Cr, Zn, Zn-Ni, and Zn-Ni-P.

Claim 21 (currently amended): A copper foil with [a] blackened ~~surface or~~ layer according to claim 20, wherein said copper foil is a plasma display copper foil.

Claim 22 (currently amended): A copper foil with [a] blackened ~~surface or~~ layer according to claim 1, wherein said blackened ~~surface or~~ layer is ~~eated with~~ an electro-plated coating of at least one of Co, Ni-Cu, Co-Cu and Ni-Co-Cu.

Claim 23 (currently amended): A copper foil with [a] blackened surface or layer according to claim 22, wherein said blackened layer is an Ni-Cu electro-plated coating and an Ni mass of deposit per unit area in the Ni-Cu plating is 200 to 1000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni + Co plating, after the Ni-Cu plating, is 250 to 1500mg/m².

Claim 24 (currently amended): A copper foil with [a] blackened surface or layer according to claim 22, wherein said blackened layer is an Ni-Co-Cu electro-plated coating and Ni + Co mass of deposit per unit area in the Ni-Co-Cu plating is 130 to 1000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni + Co plating, after the Ni-Co-Cu plating, is 250 to 1500mg/m².

Claim 25 (currently amended): A copper foil with [a] blackened surface or layer according to claim 22, wherein said blackened layer is an Co-Cu electro-plated coating and a Co mass of deposit per unit area in the Co-Cu plating is 300 to 1000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni + Co plating, after the Co-Cu plating, is 350 to 1500mg/m².

Claim 26 (currently amended): A copper foil with [a] blackened surface or layer according to claim 22, wherein said blackened layer is a Co electro-plated coating and a Co mass of deposit per unit area in the Co plating is 1000 to 5000mg/m², or an Ni + Co mass of deposit

~~per unit area of a plated surface subject to Ni or Ni-Co plating, after the Co plating, is 1050 to 2000mg/m².~~

Claim 27 (currently amended): A copper foil with [a] blackened ~~surface or~~ layer according to claim 1, wherein the copper foil is an electrolytic copper foil or a rolled copper foil of a thickness of 8 to 18 μ m.

Claim 28 (currently amended): A copper foil with [a] blackened ~~surface or~~ layer according to claim 1, further comprising a rust prevention layer on said blackened ~~surface or~~ layer.

Claim 29 (currently amended): A copper foil with [a] blackened ~~surface or~~ layer according to claim 28, wherein said rust prevention layer is of at least one of Cr, Zn, Zn-Ni, and Zn-Ni-P.

Claim 30 (currently amended): A copper foil with [a] blackened ~~surface or~~ layer according to claim 1, wherein said copper foil is a plasma display copper foil.

Claim 31 (new): A copper foil with blackened layer according to claim 1, wherein said blackened layer is an Ni-Cu electro-plated coating that is coated with a layer of a Ni or Ni-Co electro-plated coating, and wherein an Ni + Co mass of deposit per unit area of a surface subject to the Ni or Ni-Co plating, after the Ni-Cu plating, is 250 to 1500mg/m².

Claim 32 (new): A copper foil with blackened layer according to claim 1, wherein said blackened layer is an Ni-Co-Cu electro-plated coating that is coated with a layer of a Ni or Ni-Co electro-plated coating, and wherein an Ni + Co mass of deposit per unit area of a plated surface subject to the Ni or Ni-Co plating, after the Ni-Co-Cu plating, is 250 to 1500mg/m².

Claim 33 (new): A copper foil with blackened layer according to claim 1, wherein said blackened layer is a Co-Cu electro-plated coating that is coated with a layer of a Ni or Ni-Co electro-plated coating, and wherein an Ni + Co mass of deposit per unit area of a plated surface subject to the Ni or Ni-Co plating, after the Co-Cu plating, is 350 to 1500mg/m².

Claim 34 (new): A copper foil with blackened layer according to claim 1, wherein said blackened layer is a Co electro-plated coating that is coated with a layer of a Ni or Ni-Co electro-plated coating, and wherein an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni-Co plating, after the Co plating, is 1050 to 2000mg/m².